



```
elif_operation == "MIRROR_X":  
    mirror_mod.use_x = False  
    mirror_mod.use_y = True  
    mirror_mod.use_z = False  
elif_operation == "MIRROR_Z":  
    mirror_mod.use_x = False  
    mirror_mod.use_y = False  
    mirror_mod.use_z = True  
  
#selection at the end -add back the deselected mirror modifier  
mirror_ob.select= 1
```



Ignite your FHIR transformation today with the **Enhanced FHIR server**



RAPIDFIRE

ENHANCED
FHIR SERVER




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Aigilx Health's Enhanced FHIR Server was built with a purpose:

To meet the operational demands of today's interoperability world by providing seamless data exchange.

To build a unique, highly customizable server for end-to-end healthcare data interoperability.

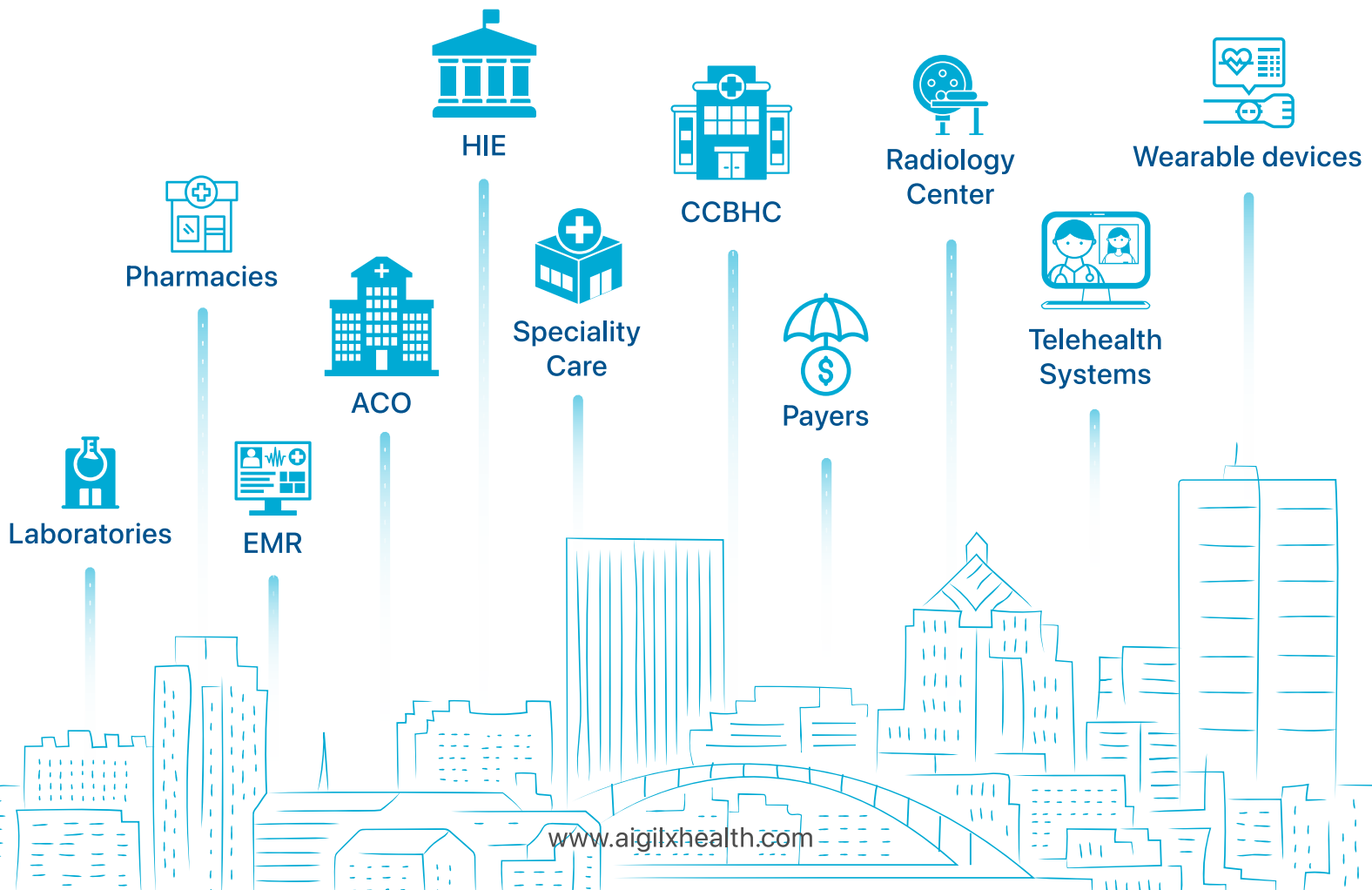
To reduce third-party dependencies and embrace a single comprehensive system for operations.



The Enhanced FHIR Server satisfies all the above three demands. After careful consideration of the healthcare network, it is designed to grow and better suit the changing necessities of the healthcare ecosystem. This has ensured its continued successful operation in one of the largest HIEs of the country – **The Greater Rochester RHIO.**

With it's highly-functional and flexible uses, the Enhanced FHIR Server can serve different use-cases such as:

- Life Science research organizations
- Clinical networks
- HIEs
- Interoperability networks
- Payers
- Telehealth companies
- Internet of Medical Things devices
- Developers of patient portals



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Aigilx Health's Enhanced FHIR Server brings the following unique capabilities to you:

Ability to process a throughput of 1 million messages per hour with a six sigma level of accuracy.

Capability to handle high-volume and high-loads with dual scalability - Scaling up for historical data migration and scaling down for normal operations

Quicker delivery of query results through Intelligent Clinical Information Exchange and ADT alerts.

One-of-a-kind bulk data processing for both export and import.

Analytics ready server to engage in health data reforms using metrics.



Leverage your investments

FHIR Server offers these additional advantages that save you a lot of time and resources:

Fits into your infrastructure seamlessly without requiring any modifications

Built-in enhancements guaranteed as and when we evolve

Equipped with tool-driven administration and monitoring capabilities, leading to an automated, efficient experience



The Enhanced FHIR Server's capabilities



Let's have a quick look at some of the features of the Enhanced FHIR Server:



FHIR-enabled Clinical Data Repository

- USCDI Complaint FHIR server that seamlessly ingests, standardizes and transforms healthcare data into FHIR resources
- Push-Pull functionality of data as FHIR resources
- Retrieve data as FHIR resources using API Endpoints for health data analytics and data-driven metrics

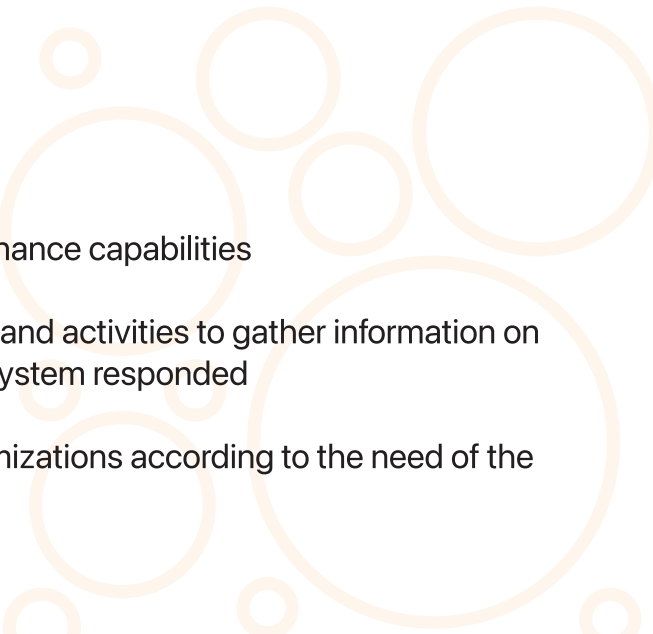


Guaranteed security

- Personal Health Information (PHI) data is securely encrypted using enterprise-grade security for streamlined authorization
- Effective access control features to protect the confidentiality of data
- Infra-level security combined with OAuth, consent, access and sensitive data filters
- HIPAA-compliant FHIR CDR



Data provenance and auditability

- Fully transparent auditable system with data provenance capabilities
 - Audit every single click and exactly capture events and activities to gather information on what activity was performed by who and how the system responded
 - Ability to receive audit logs and reports with customizations according to the need of the user
- 



The Enhanced FHIR Server's capabilities



Flexible profiling

- Highly configurable FHIR profiles
- Includes resource profiles and supported profiles for all data fields
- Dynamic FHIR profiler combined with customization opportunities for zero third-party dependencies.



Terminology services

- Powerful and flexible terminology services through the use of clinical code systems such as SNOMED, LOINC etc
- Contains various services such as coded fields, code systems, data source codes, HIE codes etc
- New terminologies can be added and providers are enabled to view their data in any standard vocabulary.



Microservices

- Microservice-based API-oriented architecture where the functionalities are categorized into several microservices and used across the server.
- Each service is modular, facilitating a highly scalable system with a capacity to grow.
- Monitoring of the services can be done via docker UI.

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The Enhanced FHIR Server's capabilities

Options for Plugin customizations

- Default built-in plugins for unlimited operations
- Has the capability to integrate any custom plugins
- Ability to build your own plugins



LIGHT UP
YOUR INTEROPERABILITY GOALS
WITH FHIR



Aigilx Health has been working in close relation with The Greater Rochester RHIO and our Enhanced FHIR server has satisfied all their clinical data storage needs.

We have successfully migrated the RHIO's historical data into our FHIR server as FHIR resources and continue to support them in their everyday data exchanges.

With the Enhanced FHIR server, they have scaled up their digital transformation and are reaping the rewards of FHIR transformation with increased community-centric outcomes and enhanced care delivery methods.

We also offer various FHIR services including developing FHIR plugins, FHIR API management and monitoring services.



Accelerate your FHIR transformation with the Enhanced FHIR Server by contacting us now.

contact@aigilxhealth.com

